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PATENT

09/840,627

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Pavel A. Krasutsky

Examiner: Deborah D. Carr

Serial No.: 09/840,627

Group Art Unit: 1621

Filed: April 23, 2001

Docket: 600.460US3

Title: METHOD FOR MANUFACTURING BETULINIC ACID

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Commissioner for Patents
Washington, D.C. 20231

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Applicant has reviewed the Office Action mailed on June 19, 2002. Please amend the above-identified patent application as follows.

IN THE ABSTRACT

Please make the paragraph substitutions indicated in the appendix entitled Clean Version of Amended Abstract. The specific changes incorporated in the substitute Abstract are shown in the following marked-up version of the Abstract:

ABSTRACT

The present invention provides a method for preparing an ester of betulin[-] at the 3-[acetate]position, e.g., betulin-3-acetate, including [alcoholyzing]the selective alcoholysis of a betulin-3,28-[dibenzoate;]diester, e.g., betulin-3,28-diacetate; a [process]method for preparing betulin-3-acetate including[:] (1) acetylating betulin to provide betulin-3,28-[dibenzoate]diacetate and (2) the alcoholysis of [alcoholyzing] betulin-3,28-[dibenzoate]diacetate to provide betulin-3-acetate; and a method [process] for preparing betulinic acid[:] (1) acetylating betulin to provide betulin-3,28-[dibenzoate;]diacetate, (2) the alcoholysis of [alcoholyzing] betulin-3,28-[dibenzoate]diacetate to provide betulin-3-acetate[:], (3) oxidizing betulin-3-acetate to provide betulinic aldehyde-3-acetate[:], (4) oxidizing betulinic aldehyde-3-acetate to provide betulinic acid-3-acetate[:], and (5) deprotecting betulinic acid-3-acetate to provide betulinic acid.



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Applicant: Pavel A. Krasutsky
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Docket No.: 600.460US3 Serial No.: 09/840,627
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Commissioner for Patents
Washington, D.C. 20231

We are transmitting herewith the following attached items (as indicated with an "X"):

- A return postcard.
 An Amendment and Response (12 Pages).
 Clean Version of the Pending Claims (10 pgs.).
 Clean Version of Abstract (1 pg.).

Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

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By: 
Atty: Gary J. Speier
Reg. No. 45,458

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on this 2nd day of August, 2002.

Dawn M. Poole
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